

Amendments to the Specification:

Please replace paragraphs [0032] and [0033] with the amended paragraphs as follows:

--[0032] By way of example, pressure changes in the actuating fluid 1118 may be achieved by means of heating the actuating fluid 1118, or by means of piezoelectric pumping. The former is described in U.S. Patent No. 6,323,447 of Kondoh et al. entitled "Electrical Contact Breaker Switch, Integrated Electrical Contact Breaker Switch, and Electrical Contact Switching Method." The latter is described in U.S. Patent Application Serial No. 10/137,691 of Marvin Glenn Wong filed May 2, 2002 and entitled "A Piezoelectrically Actuated Liquid Metal Switch." Although the above referenced patent and patent application disclose the movement of a switching fluid by means of dual push/pull actuating fluid cavities, a single push/pull actuating fluid cavity might suffice if significant enough push/pull pressure changes could be imparted to a switching fluid from such a cavity. In such an arrangement, the channel plate for the switch could be constructed similarly to the channel plate 1100 800 disclosed herein.

[0033] The one or more channels 1102-1110 1104-1108 in the channel plate 1100 800 may be aligned with one or more features on the substrate 1102, and the channel plate 1100 800 may then be sealed to the substrate 1102, by means of adhesive or gasket material, for example. One suitable adhesive is Cytop™ (manufactured by Asahi Glass Co., Ltd. of Tokyo, Japan). Cytop™ comes with two different adhesion promoter packages, depending on the application. When a channel plate 1100 800 has an inorganic composition, Cytop™'s inorganic adhesion promoters should be used. Similarly, when a channel plate 1100 800 has an organic composition, Cytop™'s organic adhesion promoters should be used.--